

A New Species of Dictyophorodelphax From the Island of Lanai (Homoptera)

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(Presented at the meeting of January 2, 1936)

Dictyophorodelphax usingeri n. sp.

Female: length, 5 mm.; head prolongation, 2 mm.; tegmen, 1.25 mm. Fuscous with slight whitish flecking; legs testaceous with dark fuscous spots; clypeus dark fuscous, ventral side of head prolongation pale fuscous in front of this; tegmina testaceous with dark fuscous on margin between apical veins and a black mark at apex of clavus; setigerous black dots on the veins. Tegmina short, hardly covering half of the abdomen. Head prolongation shorter than the rest of the body, apical third compressed and slightly curved ventrally, space between dorsal carinae gradually coming to a point at apex, lateral carinae confluent at about three-fourths from base, dorsoventral width about 1 mm., nearly uniform width throughout.

This species is nearest to *praedicta* which occurs in Iao Valley, Maui. The latter species, however, lacks the setigerous black dots on the tegmina. The apical ventrally-curved portion of the head prolongation is shorter and wider dorsoventrally in *usingeri* than in *praedicta*, the lateral carinae are confluent at a point farther from the base than in *praedicta*.

No males are at hand for making comparison of the genital styles and aedeagus.

Lanai, trail to Lanaihale, 2,000-3,000 ft., Nov. 29, 1935, 3 females collected on Euphorbia by Mr. R. L. Usinger.

Holotype and paratypes in the Bishop Museum collection.

This makes the fourth species of the genus now known in the Hawaiian Islands. Two of them on Oahu: *mirabilis* at various localities in the Koolau range from Konahuanui to Hauula and on Kaala; *swezeyi* at Wailupe and Niu. One on Maui: *praedicta* in Iao Valley. One on Lanai: *usingeri* at Lanaihale. All of them occur on some species of *Euphorbia*.

Table for distinguishing the species of Dictyophorodelphax.

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|--|----------------|
| 1. Apical portion of head prolongation bent ventrally,..... | 2 |
| Head prolongation gradually inclined upwards all the way to the apex; lateral carinae confluent at about middle; tegmina with setigerous black dots on veins,..... | <i>swezeyi</i> |

2. Head prolongation longer than the body, not compressed apically, lateral carinae confluent a little beyond middle; tegmina with setigerous black dots on veins,.....*mirabilis*
Head prolongation compressed for about apical third,.....3
3. Head prolongation about same length as body, lateral carinae confluent at about two-thirds from base; tegmina without setigerous black dots on veins,.....*praedicta*
Head prolongation shorter than the body, lateral carinae confluent at about three-fourths from base; tegmina with setigerous black dots on veins,.....*usingeri*

Notes on the Food of the California Quail in Hawaii

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(Presented at the meeting of April 2, 1936.)

An opportunity was had of examining the crops of nine quails killed at Kanoa, Molokai, November 13, and December 15, 1928. The crops were packed full and contained the following materials, being chiefly seeds, instead of insects, as might have been expected:

	Seeds of <i>Acacia farnesiana</i>	Seeds of <i>Prosopis chilensis</i>	Grass seeds <i>Chaetochloa verticillata</i> (?)	Weed seeds <i>Chenopodiaceae</i> (?)	Amaranth seed	Other seeds	Beetle larva <i>Dreimptus epitragus</i>
Crop No. 1:	51	6			1	6	
Crop No. 2:	39	5	366				1
Crop No. 3:	58	9		62			
Crop No. 4:	28	3					
Crop No. 5:	27	9					
Crop No. 6:	32	10					
Crop No. 7:	21		143	45			
Crop No. 8:	38		7	54			
Crop No. 9:	15		155	176		1 <i>Bruchus sallaei</i> , 1 pupa	

Besides the seeds, the crops contained a considerable amount of fragments of pods, probably chiefly of the *Acacia*, but no doubt also some of the *Prosopis*.